

# **Samsung Messenger™ Touch**

**( S C H - R 6 3 1 )**

**P O R T A B L E   T R I - B A N D  
M O B I L E   P H O N E**

## **User Manual**

**Please read this manual before operating your  
phone, and keep it for future reference.**

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## Section 1: Getting Started

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This section explains how to start using your Samsung Messenger™ Touch.

### **Understanding this User Manual**

The chapters of this manual generally follow the same order as the menus and sub-menus in your phone.

### ***Notes and Tips***

Throughout this manual there is text that is set apart from the rest. These are intended to point out important information, quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes:** Explain alternative options within the current feature, menu, or sub-menu.
- **Tips:** Provide quick or innovative methods for performing functions related to the subject.
- **Important:** Points out important information about the current feature that could affect performance, or even damage your phone.

### ***Text Conventions***

This manual provides condensed information about how to use your phone. To make this possible, the following terms and icons appear in

place of often-used procedural steps:

- select** Touch a menu item or screen item to launch or save a menu item or screen field of interest.
- Used in place of “select” in long “drill down” procedure steps.

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**Example:** “...Settings → Call Settings → Answer Options...”

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## Install the Battery

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**Note:** Your phone comes packaged with a partially charged rechargeable standard Li-Ion battery and travel adapter.

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**Important!:** You must fully charge the battery the first time you use your phone, otherwise you could damage the battery.

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### Battery Cover

Remove the battery cover to access the battery.

- ▶ To **remove the battery cover**, if needed, lay the phone face down and insert a small coin into the slot at the bottom of the battery cover and gently pry it away from the phone. Then, lift the cover away from the phone (2).



- To replace the battery cover, align the top end of the battery cover over the battery (1) and press the battery cover down into place (2).



### ***Install the Battery***



- Insert the top end of the battery, matching the gold contacts on the battery to those on the inside of the phone (1), then press lightly on the bottom end of the battery down into the phone until it slips into place (2).

## Remove the Battery

Before removing the battery, turn the phone off, if necessary. To turn the phone off, press and hold the  key.



- Lift the bottom end of the battery up and away from the phone (1) and slide the battery up and out of the phone (2).

## Charging the Battery




Your phone is powered by a rechargeable standard Li-Ion battery.

Only use Samsung-approved charging devices and batteries.

Samsung accessories are designed to maximize battery life. **Use of other accessories may invalidate your warranty and may cause damage.**

### **Low battery indicator**

The battery indicator in the upper-right corner of the display indicates power level. Monitor the battery strength and ensure your battery is adequately charged. If you continue to use your phone without charging its battery, the phone will shut down.

- Five bars  indicate a full charge.
- An empty battery icon  indicates a near empty battery.
- A blinking empty battery icon  and a tone sounding indicate you have two to three minutes before the battery is too low to operate the phone.

## ***Use the Travel Adapter***

The travel adapter included with your phone is a convenient, light-weight charger that rapidly charges your phone from any 120/220 VAC outlet.

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**Important!** For connection to an electrical supply not located in North America, you must use an adapter of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

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1. Plug the large end of the Travel Adapter into a standard 120 VAC or 220 VAC wall outlet.
2. Insert the small end of the Travel Adapter into the charger/accessory connector on the side of your phone. You must unplug the adapter before removing the battery from the phone during charging to avoid damage.




## Activating Your Phone

Contact your Wireless Carrier and follow their instructions for obtaining service, if necessary. We suggest that you read this guide to fully understand the services your phone supports.

### Turning Your Phone On

- ▶ Press and hold the  key until the display lights. the phone searches for a network signal, and the time, date, and day appear on the display.


If you are outside of your carrier's coverage or roaming area, the No Service icon (  ) appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

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**Note:** As with any other radio-transmitting device, do not touch the antenna while using your phone as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

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### Turn Your Phone Off

- ▶ With the phone on, press and hold the  key for two or more seconds. Your phone powers off.

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**Note:** If your phone is on and you press  for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

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## Setting Up Your Voicemail

Voicemail allows callers to leave voice messages, which can be retrieved any time.

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**Note:** Once your Voicemail account has been set up, you can use the **Voicemail** folder (under the **Message** menu) to view details of voice messages in your Voicemail box.

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- ▶ In Standby mode, press and hold the **1w** key, or dial your mobile number to dial Voicemail. Follow the prompts in the new user tutorial to set up your mail box.

### ***Listen to Voicemail***

- ▶ In Standby mode, press and hold the **1w** key or dial your mobile number to dial Voicemail. After connecting, you will hear your voice greeting, and the prompt to enter your password.

## Memory Card (Optional)

Your phone has a Memory Card slot on its right side, behind the battery cover. You can install a microSD™ card to provide additional memory for storing files (such as, sound files and photos) in your phone.

You can install a microSD™ card to provide additional memory for storing files (such as, sound files and photos) in your phone.



## ***Install a Memory Card***

1. Open the microSD cover on the left hand side of the phone, as shown.



2. Make sure that the gold contacts of the card are face up, as shown, then carefully slide the memory card into the memory card slot until you feel it click into place.
3. Replace the microSD cover.

## ***Remove a Memory Card***

1. Open the microSD cover on the right hand side of the phone.
2. Carefully press the memory card inward until you feel it release.
3. Slowly release your pressure on the card. It will slide outward a short distance.

4. Remove the memory card from the memory card slot.
5. If desired, install another memory card. (For more information, refer to “*Install a Memory Card*”.)
6. Replace the microSD cover.

## Headset (Optional)

Your phone includes a jack for attaching an optional Headset/Headphones. You can use a Headset or Headphones to hear telephone conversations.

- Insert the Headset or Headphones into the Headset Connector on the top of the phone.



## Section 2: Understanding Your Phone

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This section outlines some key features of your phone. It also describes the screen format and the icons that will be displayed when the phone is in use.

### Features of Your Phone

Domestic and international voice and text messaging service (available on participating networks).

- Full-screen Touch Screen [high-resolution (240 x320 pixels), color]
- Widget menu
- Messaging (Text, Picture, Video, and E-mail) with sliding QWERTY Keypad
- Built-in 2 Megapixel Digital wide screen Camera-Camcorder
- High speed data (3G-EVDO)
- Bluetooth® Stereo (v2.0) Wireless Technology (see Note)
- Global Positioning (GPS) Technology
- PIM Functions
- Voice and Touch Keypad Dial
- Music (MP3) Player and Video (MP4) Player
- Support for optional microSD™ and microSDHC™ cards up to 16 GB
- Voice Recognition
- Speakerphone

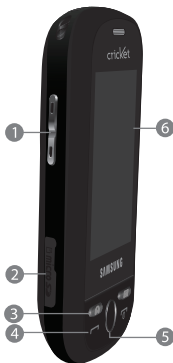
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**Note:** The Messenger Touch phone supports the wireless headset, handsfree, file transfer, and object push profiles for Bluetooth® wireless technology.

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## Side Views of Your Phone

1. **Volume Key** — Lets you adjust the ring volume in Standby mode, adjust the voice volume during a call, or mute the ringer during an incoming call.
2. **Memory Card Slot** — Used to plug in an optional microSD™ memory card for additional multimedia file storage.
3. **Music Player Key** — Launches the Music Player. (Requires a Memory Card be installed. For more information, refer to “Install a Memory Card” on page 13.)
4. **Send Key** — Lets you place or receive a call. In Standby mode, press the key once to access the Recent Calls log.
5. **Clear Key** — Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
6. **Display** — Indicates the status of your phone (including numbers dialed, feature and function screens, status icons, message indicators and contents, signal strength, and so on) and shows all touch controls (hot buttons, keypads, and menus).



7. **Earpiece** — Lets you hear other parties to calls, music, video soundtracks, and tones.
8. **Microphone** — Lets the other caller hear you clearly when you are speaking to them.
9. **Power On-Off/End Key** — Turns the power on and off. Ends a call. Returns you to Standby mode from any feature, function, or menu.
10. **Messaging Key** — Launches the **Messages** menu. (For more information, refer to “*Messages*” on page 51.)
11. **Camera Key** — Launches the Camera/Camcorder feature of your phone and takes pictures or records videos. (For more information, refer to “*Camera-Camcorder*” on page 61.)
12. **Power / USB Connector** — Used to connect charging accessories or any available USB cables to your phone.
13. **LOCK Key** — Locks and unlocks the keys and the touch screen and lights the backlight.
14. **Headset Connector** — Used to connect an optional wired headset or TTY device to your phone.



## Open View (Front) of Your Phone



### Features

1. **Fn Key** — Text Function Key — Toggles text entry mode between **ABC** and **123** and **Symbols** modes.
2. **shift Key** — Toggles **ABC** mode capitalization between **ABC**, **Abc**, and **abc**. Press and hold to change to **XT9** mode, then press to toggle between **XT9**, **Xt9**, and **xt9**.
3. **space Key** — Inserts a space character in a text entry.

4. **OK Key** — From a Home screen, launches the Main Menu. When navigating through a menu accepts the highlighted choice in a menu.
5. **Arrow (Navigation) Keys** — In Menu mode, Left and Right arrow keys let you page from Main menu to Main menu; while Up and Down arrow keys let you scroll through the menu options.
6. **Next Line Key** — In text entry mode, moves the cursor to a fresh, blank line.
7. **Back / Clear Key** — Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.

## Closed Rear View of Your Phone

1. **Headset Connector** — Used to connect a headset or TTY device to your phone. (For more information, refer to “*Call Settings*” on page 82.)
2. **Camera Lens** — The lens of your built-in camera.
3. **Battery Cover** — Lets you access your phone’s battery.
4. **Camera Key** — Launches the Camera feature of your phone.
5. **Battery Cover Pull Slot** — Used to remove the Battery Cover.
6. **Volume Key** — Lets you adjust the ring volume in Standby mode, adjust the voice volume during a call, or mute the ringer during an incoming call.
7. **Speaker Grill** — Lets you hear ringing and alert tones, alarm tones, and the other parties to calls.





## Command Keys


### Music Player Key





Launches the Music Player. (Requires a Memory Card be installed. For more information, refer to “Install a Memory Card” on page 13.)

### Messaging Key



Launches the **Messaging** menu, letting you compose, send, and manage Text, Picture, and Video messages and folders.




### Send Key

The **Send** key () is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.




- Press  once to answer calls.
- Enter a number and briefly press  to make a call.
- Briefly press  from the Home screen to display a list of recent calls to and from your phone.
- Press  twice in Standby mode to call the most recent number.

### Clear Key


The **Clear** key () is used to erase or clear numbers, text, or symbols from the display. You can also use the  key to return to a previous menu or to the Home screen from any menu.

- If you enter an incorrect character, briefly press  to backspace (and delete) the character.
- To erase the entire sentence, press and hold .
- To back up one menu level, briefly press .


## **End Key**

- Press and hold the **End** key () to turn on your phone.
- Briefly press  once to disconnect a call.
- Press  to return to the Home screen from any menu, or to cancel the last input.


## **Lock Key**


The Lock key () — on the upper right side of the phone — locks and unlocks the keys and the touch screen and lights the backlight.

## **Camera Key**

The Camera key () — on the lower right side of the phone — launches the Camera/Camcorder feature of your phone and takes pictures or records videos. (For more information, refer to “*Camera-Camcorder*” on page 61.)

## **Fn Key**

While in Input Mode, the Fn (Function) key () lets you toggle text input modes between **Abc** and **123/Sym**.








While in Standby mode, press and hold the Fn (Function) key () to activate/deactivate Vibrate Mode.

## Entering Text





Your phone's QWERTY (       ) keypad provides quick and easy text input, similar to a computer keyboard.

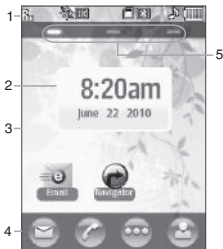


The keys are labeled with a letter on the lower half and a number or symbol on the upper half. Press the key corresponding to the character you want to enter. In addition, you can use the following special function keys:

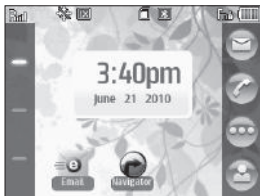
	Press to delete characters. <hr/> <b>Tip:</b> You can also delete a character by pressing  .
	Press to start a new line.
	Press once to enter a single upper case letter. ( <b>Abc</b> ) Press twice to select CAPS LOCK. ( <b>ABC</b> ) Press once more to remove CAPS LOCK. ( <b>abc</b> ) Press and hold to select predictive text entry. ( <b>Xt9</b> )
	Press once to enter a single number or symbol. ( <b>Fn</b> ) Press twice to select CAPS LOCK. ( <b>Fn</b>  ) Press once more to remove CAPS LOCK. ( <b>abc</b> )
	Press to insert a space in a text entry.

## Understanding the Display Screen

1. The top line of your phone's display contains icons that indicate network status, battery power, signal strength, connection type, and more.
2. Clock-Calendar App — Shows the current time and date.
3. The center portion of the display shows Widgets, Weblinks, Shortcuts (**Email** and **Navigator** are shown here), and information such as call progress information, messages, and photos.
4. The bottom line of the display shows available shortcuts or buttons. The sample screen shows the following shortcuts:
  -  — **Messaging** — Launches the **Messaging** menu.
  -  — **Dialer** — Launches the **Dialer** screen that lets you place calls.
  -  — **Menu** — Launches the **Menu**.
  -  — **Contacts** — Launches the **Contacts** menu.
5. Three virtual lamps in the second line of the display indicate which Home screen is currently showing. The sample screen indicates Home screen 1 is showing.




With the QWERTY keypad open, the display rotates automatically from portrait mode (as shown above) to landscape mode (as shown here).



## Display Screen Icons

Your Messenger Touch phone can show you definitions of the icons that appear on the top line of the display.

To access the Icon Glossary:

- ▶ In Standby mode, touch  → **Phone Info** → **Icon Glossary**. A scrollable list of icons and their definitions appears in the display.

## Backlights

Backlights illuminate the display and the keypad. When you press any key, the backlights come on. They go off when no keys are pressed within a period of time set in the **Backlight** menu.

---


**Note:** During a phone call, the display backlight dims for 10 seconds then turns off to conserve battery power, regardless of the **Backlight** setting. (For more information, refer to “Backlight” on page 80.)

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# Menu Navigation


## Main Menu Navigation



There are three Main Menus: **Menu**, **Apps**, and **Weblinks**.

1. In a Home screen touch . The **Menu** screen appears in the display.
  - To browse the **Menu** screen, touch and swipe up or down,
  - To view the **Apps** menu, touch the **Apps** tab at the top of the screen.
  - To view the **Weblinks** menu, touch the **Weblinks** tab at the top of the screen.
2. To access a phone function, App, or a menu or sub-menu, touch the appropriate icon.




## Return to a Previous Menu or Screen

To return to a previous menu or screen and discard any entries, press .

To return to a previous menu or screen and save or retain any entries, press  or .



## Home Screen Shortcuts

You can add **Menu**, **Apps**, and **Weblinks** icons to any of the three Home screens as shortcuts.

1. At a Home screen, touch and swipe left or right to select the desired Home screen.
2. Touch , then select the desired menu.
3. Locate, press, and hold the desired icon. A pop-up menu lets you select **Add to Home Screen** or **Cancel**.

## Your Phone's Modes


### Call Answer Mode

You can choose to answer a call by pressing any key except  or by pressing only the  key. (For more information, refer to “*Call Answer*” page 82.)

### Lock Mode

When the phone is in Lock Mode, restrictions are placed on phone use. You can receive calls and messages, but cannot place outgoing calls (except for emergency numbers) until you unlock the phone. Lock Mode also restricts access to menus and the Volume key. Unlock your phone by entering the lock code when prompted. (For more information, refer to “*Security*” on page 82.)

## **Key and Screen Lock**

You can use the Lock key (  ) on the right side of your phone to lock your phone's front and side keys and screen.

### To Lock the Keys and Screen:


- ▶ Press . The screen goes blank.

### To Unlock the Keys and Screen:

- ▶ Open the QWERTY keypad.
  - or –
- 1. While in Keys and Screen Lock mode, press any front or side key. The screen backlight comes on.
- 2. Swipe horizontally across the screen. The Lock screen disappears, revealing the screen from which you locked the phone.

## **Standby Mode**

Standby mode is the state of the phone once it has found service and is idle, with the Home screen showing on the display. The phone goes into Standby mode:

- After you power the phone on.
- When you press  after a call or from within a menu.

In Standby mode, you will see the time, day, and date as well as all phone status icons.



## Place Calls in Standby Mode

1. While in Standby mode, press . The Dialer screen appears in the display.
2. Enter a phone number, and press  to place a call.
3. Press  to return to Standby mode.

## Receive Messages in Standby Mode

You can receive messages in Standby mode. An alert tone sounds and a notification message appears in the display when a new message arrives. The following call message options appear:

- **View Now** — This selection allows you to view the messages now.
- **View Later** — This selection allows you to view the messages at a later date.

Touch the desired viewing option.

## Talk Mode

You can place and receive calls only when your phone is on. While in a call your phone is in talk mode. Press **Options** to display a list of menu options. (For more information, refer to “*Call Options Menu*” on page 39.)

## Speakerphone Mode

To share a call with other people nearby, place your phone in Speakerphone Mode during the call by doing the following:


- In the Call In Progress screen, tab and drag  to reveal **On**.

---

**Caution!** Keep the phone away from you ear while in Speakerphone Mode. (For more information, refer to “Responsible Listening” on page 102.)

---

### To disable Speakerphone Mode:

- ▶ In the Call In Progress screen, touch and drag  to reveal **Off**.




— or —

End the call by pressing .



## **Vibrate Mode**

Silences all tones your phone makes and replaces them with vibration.

### To enter Vibrate Mode:

1. While in Standby mode, touch . The Dialer screen appears in the display.
2. Touch and hold . “**Vibrate mode activated**” briefly appears in the display and your phone returns to the Dialer screen.  
The Vibrate icon (  ) appears in the display when the phone is in Vibrate mode.

### To exit Vibrate Mode:

1. While in Vibrate mode and Standby mode, touch . The Dialer screen appears in the display.
2. Touch and hold . “**Normal mode activated**” briefly appears in the display and your phone returns to the Dialer screen.


---

**Tip:** You can also place your phone in Vibrate mode from Standby mode by pressing the Volume key (  ) down until “**Vibrate Only**” appears in the display.

---

## ***Adjust the Master Volume***

In Standby mode, press  up or down.

1. In Standby mode, press  up or down to set the call ringer volume as desired. Options are:
  - **All Sounds Off**
  - **Alarm Only**
  - **Vibrate Only**
  - **Low**
  - **Medium Low**
  - **Medium**
  - **Medium High**
  - **High**
2. When you are satisfied with the setting, touch **Set**. Your phone returns to Standby mode.

---

**Tip:** You can also enter the **Master Volume** sub-menu by touching  → **Settings** → **Sounds Settings** → **Master Volume**.

---

## Section 3: Call Functions

---

This section provides procedures for making and answering calls. This section also describes features, such as call logs and call timers, that help you make calls and manage your call time.

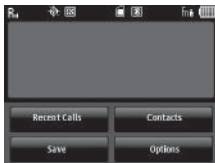
---


**Note:** Although the procedures in this section are written for the Dialer keypad, you can also perform all of these procedures, except Plus (+) Code (International Shortcut) Calls, using the QWERTY keypad.

---

### Making a Call

1. In Standby mode, touch . The Dialer screen appears in the display. The format of the Dialer screen depends on whether the QWERTY keypad is closed or open.



2. Enter the number you wish to call using either the virtual phone-style keypad or the QWERTY keypad.
3. Press  to place the call.

## Emergency Calls

You can dial any of the numbers 911, \*911, or #911 to place an emergency call.

When you call an Emergency Number, such as 911, your Messenger Touch phone locks itself in emergency mode, only allowing you to make calls to the emergency call center you originally contacted. This enables emergency operators to more easily dispatch aid, such as police, fire fighting, and emergency medical personnel.

---

**Important!:** Emergency number 911 is hard-coded into your phone. You can dial this number almost any time, even when the phone is locked or restricted.

If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

---

---



**Important!:** Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

---

---

**Important!:** DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

---



1. In Standby mode, touch  then enter the Emergency Number you wish to call (911, \*911, or #911), and press  to place the call.

---

**Note:** You can change the pre-defined 3 emergency numbers in your phone by touching  → **Settings** → **Phone Settings** → **Security** → **Emergency #** from the Home screen.

---






---

**Important!:** If you need to make an emergency (911) call with Airplane mode enabled, just touch . then dial the emergency number and press .

---

### **Three-Way Calling**


Call two other numbers and connect them to your call using three-way calling.

1. In Standby mode, touch . then enter the number for the first party in your call, then press .
2. When connected, ask the first party to remain on the line. Press  to place them on hold.
3. Enter the second party's phone number and press .
4. When the second party answers, press  to connect all three parties.

### **Manual Pause Calling**

To manually call a number with pause(s) and without storing it in your Contacts list:

1. In Standby mode, touch . then enter the number you wish to call.

2. Press **Options**. The following pause options appear in the display:
  - **2-Sec Pause** — A 2-second pause after which dialing resumes.
  - **Wait** — A hard pause (waits for input from you).
3. Select the desired pause to enter it into the number sequence.
4. Press  to call the number.

---





**Tip:** If you plan to call the number frequently, touch **Save** to store pauses along with the number.

---

## ***Speed Dialing***

Speed Dialing lets you place a call to any Contact stored in your Contacts list by dialing the Contact's Location number. For more information, refer to “*Speed Dial*” on page 47.

---

**Example:** To speed dial the Contacts entry assigned to speed dial 325, touch  →  → , then touch and hold .

---

## ***Voice Dialing***


The voice recognition capabilities of your Messenger Touch are exceptional due to advanced, speaker-independent technology. This means you do not need to “train” your phone to understand your voice. You can use your voice *in a natural manner* to dial numbers.

---

**Note: End Calls Before relaunching the Nuance voice recognition software** — When you use Voice Dialing to make a call, you must end that call before you can use other Voice Commands. See “Voice Service” on page 58 for more information.

---

Use the **Call** command to dial any number stored in your Contacts list by saying the name of the contact (Name Dialing). You can also use **Call** to dial any telephone number, even numbers not stored in your contact list, by speaking the individual digits in the number (Digit Dialing).

- To access Voice Service, touch  → **Voice Commands**, then follow the spoken prompts.

### **Voice Dialing Tips:**

- Wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking to someone on the phone.
- When saying a name, say the first name then the last name.

## **Answering a Call**

### ***Incoming***

When you receive a call, the phone displays one of the following:

- If the caller can be identified, the caller's number (or name if it's in your Contacts) appears in the display.
- If the caller cannot be identified, **Call from unavailable #**, **Call from restricted #**, or no number appears in the display.



---

**Tip:** Assign pictures to Contacts entries. The entry's assigned picture appears in the display when you receive a call from that entry. (See "Assigning a Picture to a Contact" on page 45).

---

The phone continues to notify you of the call until one of the following events occur:




- You answer the call.
- The calling party ends the call.
- The call is sent to voicemail.

### **Set Call Ringer Volume**

1. In Standby mode, press the Volume key on the left side of the phone.
2. Press the Volume key up or down to set the call ringer volume as desired.

### **Call Answer**

Select from two methods for answering calls. This option can be changed in the **Settings** menu.

- In Standby mode, touch  → **Settings** → **Call Settings** → **Answer Options**. The following options appear in the display:
- **Slide Open** — Opening the QWERTY keypad answers a call.
  - **Any Key** — Pressing any key or touch any button except , , **Quiet**, or **Ignore & Msg**, answers a call.
  - **Auto w/Handsfree** — With an optional, Bluetooth Handsfree unit connected, calls are answered automatically.




## Call Waiting

If you're on a call, your phone beeps when you receive a second call. Call Waiting lets you answer the second call and alternate between both calls.

---

**Note:** Contact your Wireless Carrier for availability.

---






1. Press  to place the first call on hold, answer the second call, and ask the caller to remain on the line.
2. Press  to place the second call on hold and return to the first call.
3. Press  to alternate between calls.

## Caller ID

Caller ID lets you identify who is calling you by displaying a caller's number. If the caller's name and number are stored in Contacts, the caller's name also appears. If you've assigned a picture to the entry, it appears in the display as well.


## Call Block

You can prevent your number from displaying on another phone's caller ID screen by enabling **Call Block**.

1. In Standby mode, touch , then touch , , .
2. Enter the number you wish to call, then press .

## Silence an Incoming Ring

To temporarily silence the incoming call ringer:

- ▶ While your phone is ringing, press the Volume key  (on the left side of the phone) up or down or press **Quiet**.

## Ignore an Incoming Call


Ignored calls are immediately forwarded to Voicemail.

- ▶ While your phone is ringing, touch **Ignore & Msg**.

## Call Options Menu

You can access a number of features while in a call.

1. To disable/enable your phone's microphone while in a call, touch and slide **Mute** to **On / Off**.
2. To disable/enable your phone's Speakerphone mode while in a call, touch and slide **Speaker** to **On / Off**.
3. For other options while in a call, press **Options**. The following options pop-up in the display:
  - **Contacts** — Display the **Contacts Find** screen.
  - **Recent Calls** — View your **All** calls list.
  - **Message** — Display the **Messages** menu.
  - **Send DTMF** — Send your phone number as DTMF tones to the other person on the call.
  - **Location** — Turn your GPS location on or set GPS location for emergency calls only.
  - **Bluetooth** — Launches the **Bluetooth** screen.

4. With the **Options** showing, do one of the following:
  - Select a menu option to open the highlighted menu or to activate the highlighted feature.
  - To exit the **Options** menu, press .

## **Calls**

Your phone has Call Logs that retain information about Outgoing, Incoming, and Missed Calls. The **Calls** menu lets you access this information for future reference, to return calls, and to add new Contacts. You can also view times for your last call and the total of all calls.

---

**Tip:** To quickly view a list of your 270 most recent calls (outgoing, incoming, and missed), briefly press  while in Standby mode. The **All** calls list appears in the display.

---

### ***Missed Calls***

The last 90 missed calls (calls you did not answer) are stored in the Missed calls log. Review the Missed calls log for the time and date of the call, as well as other information.

- In Standby mode, touch  → **Call Logs** → **Missed**. A list of your missed calls appears in the display.

### ***Dialed Calls***

The last 90 outgoing calls are stored in the Dialed calls log. Review the Outgoing calls log for the time and date of a call, as well as other information.



- ▶ In Standby mode, touch  → **Call Logs** → **Dialed**. A list of your outgoing calls appears in the display.

## **Received Calls**

The last 90 Incoming calls are stored in your phone's Received calls log. You can review the Incoming calls log for time and date of each call, as well as other information.

- ▶ In Standby mode, touch  → **Call Logs** → **Received**. A list of your incoming calls appears in the display.

## **All Calls**

1. In Standby mode, touch  → **Call Logs** → **All**. The **All** list appears in the display with the first call in the list highlighted.
2. Touch , then select **Erase**. Touch **Erase All** or one or more calls you want to erase, then touch **Done**.

## **View Timers**

View the duration of your last call, total calls, and calls made during the life of your phone using the Call timer feature. Call timer is not for billing purposes.

- ▶ In Standby mode, touch  → **Call Logs** → **View Timers**.

## **Save Numbers from Call Logs**

Store numbers from your **Dialed** (outgoing), **Received** (incoming), **Missed**, and **All** calls logs to Contacts.

1. In Standby mode, touch  → **Call Logs** → **Missed** / **Received** / **Dialed** / **All**.

2. Touch a call whose number you wish to store in Contacts.
3. Touch **Save → Add New Contact** to add the number as a new Contacts entry.

– or –

Touch **Save → Update Existing** to find a Contact with which to associate the new number.

4. Follow the prompts to store the number to Contacts.

## Section 4: Understanding Your Contacts

---

Up to 1000 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and one e-mail address. Each phone number can be up to 32 digits in length, including pauses, and associated names can be up to 32 characters in length. You can assign the Speed Dial numbers of your choice for each entry. Using Security settings, you can also set your Contacts list as Restricted to prevent unauthorized viewing.

### Finding a Contact

#### *Menu / Shortcut Key Method*


If you've stored a name entry in Contacts, **Find** allows you to find it quickly.

1. From a Home screen, touch  → **Contact List**.

The **Contacts List** screen appears in the display with the search field highlighted and followed by the first few Contacts.

2. Enter the first few letters in the desired Contact's name. Matching Contacts appear below the search field.

#### *Browse Method*


1. With the keypad closed, touch  → **Contact List**. The **Contact List** screen appears in the display showing **Add New Contact** followed by the first few Contacts.
2. Touch and hold the "A" arrow on the left side of the Contact List. The **Contact List** screen becomes covered with a large "A".

3. Drag the arrow down until the first letter of a desired Contact's name appears in the display.
4. Release the arrow. The **Contact List** screen reappears showing the first few Contacts beginning with the selected letter.
5. Touch and swipe the Contact List up or down until you locate the desired Contact.

## ***Voice Method***


Use the **Voice SVC → Voice Commands → Contacts** feature to view contact information for any named contact stored in your Contacts list by saying the name.

To look up information for a specific contact:

1. From a Home screen, touch  → **Voice Commands**. “**Please say a Command**” is pronounced through the speaker. A list of voice commands appears in the display.
2. Say “**Contacts**” and the name of the Contact. The requested Contact's information appears in the display.

## **Adding a New Contact**

### ***Dial Method***


1. From a Home screen, touch . The Dialer screen appears.
2. Enter the number you wish to add to your Contacts.
3. Touch **Save**, open the keypad, and enter the Contact information.



## Menu Method

1. From the **Contacts** menu, select **New Contact**.
2. Open the keypad and enter the Contact information.

## Deleting a Contact

1. From the **Contacts** menu, select **Contact List**.
2. Touch . The **Erase** screen appears.
3. Find and touch the check box next to the Contact you want to delete. A check mark appears.
4. Touch **Done**. You are prompted to verify the erasure.
5. Touch **Yes** to erase the selected Contact.

## Editing a Contact

1. Find and select the Contact to be changed. (See *“Finding a Contact”* on page 43.)
2. Touch **Edit** and make the desired changes.

## Assigning a Picture to a Contact

When you assign a picture to a Contact, the picture you assign appears in the display when you receive a call from that Contact.

1. Find and touch the Contact you want to edit, then press **Edit**. (See *“Finding a Contact”* on page 43.)
2. Touch the **No Picture** field (at the top of the **Edit Contact** screen).

3. In the pop-up menu, select **My Images** to use an existing photo or select **Camera** to take a new photo. (For more information, refer to “*Camera-Camcorder*” on page 61.)
4. Touch **Set** to assign the photo to this Contact.

### **Assigning a Ringtone to a Contact**

When you assign a ringtone to a Contacts entry, the phone plays that ringtone instead of the Voice Calls ringtone when you receive a call from that Contact.

1. Find the Contacts entry you want to edit, and press **Edit**.
2. Touch the **Ringtone** field. The **My Ringtones** list appears.
3. Scroll the list by touching and swiping up or down to find the desired ringtone.
4. Touch the desired ringtone.

### **Saving a Number After a Call**

Once you finish a call, you can store the caller’s number to your Contacts list.

---

**Note:** If the call was incoming and Caller ID information was unavailable, then the **Save** option is also unavailable.

---

1. After ending the call, the call time, length of call, phone number, and name of the party (if available) appear in the display.
2. Touch **Save**, then select an option:

- **Add New Contact** — Lets you create a new Contacts entry.
- **Update Existing** — Lets you add the number to an existing Contacts entry.

## **Speed Dial**

Speed Dial allows you to quickly dial a contact by pressing a sequence of number keys assigned to the contact. You can assign one or more Speed Dial numbers to a Contacts entry during new entry creation or by editing an existing entry. Speed dial numbers can be one, two or three digits.

### ***Assign a Speed Dial Number***

1. From the **Contacts** menu, select **Speed Dials**. The **Speed Dials** screen appears.
2. Open the keypad and enter a speed dial number.  
— or —  
Touch and swipe the list up and down to browse the list.
3. Touch the desired unassigned Speed Dial. The **Set Speed Dial** Contact list appears.
4. Find and touch the desired Contact.
5. Confirm the speed dial assignment by touching **Yes**.

### ***Removing a Speed Dial Number***

1. From the **Contacts** menu, select **Speed Dials**. The **Speed Dials** screen appears,
2. Find and touch the speed dial you wish to unassign.

3. Touch  → **Remove** → **Yes** to unassign the selected speed dial.

## Contact Groups

Groups let you easily send messages to multiple, selected Contacts. You can also use Groups to find Contact entries and to add/remove Contacts names in a Group or to create or rename a Group.


### ***Add Multiple Contacts to a Group***

The Add option lets you add one or more existing Contacts to a Group.

1. From the **Contacts** menu, select **Groups**, then select a group.
2. Touch **Add Members**, then mark contacts to add to the group by touching the check box.
3. Press **Done** to add the contacts to the group.

### ***Rename a Group***

The Rename option lets you change the name any of the Groups, except **No Group**.

1. From the **Contacts** menu, select **Groups**. The **Groups** screen appears in the display.
2. Touch  → **Rename Group**.
3. Select the desired Group and enter changes to the group name and press **Done**.


### ***Add a New Group***

1. From the **Contacts** menu, select **Groups** → **New Group**. The

**Enter New Group** screen appears.

2. Open the keypad and enter a new group name, then press **Done**.

### **Erase a Group**

1. From the **Contacts** menu, select **Groups**. The **Groups** screen appears in the display.
2. Touch  → **Erase Group**.
3. Select the desired Group and touch **Done**.

---

**Note:** When you delete a Group, any assigned Contacts entries return to **No Group**.

---

### **Memory Status**

The **Memory Status** menu option lets you view the amount of memory you have used to store Contacts entries, as well as the memory remaining to store more Contacts entries.

- From the **Contacts** menu, select **Memory Status**. The amount of memory used and remaining (Free) for Contacts entries is displayed.

## Section 5: Storefront

---

With Storefront, you can download full featured applications over the air including games, personalized ring tones, pictures, and more.

This section outlines how to obtain games and other applications for your phone. For more information, contact your Wireless Provider.

### Launching Storefront

- From a Home screen, touch  → **Storefront**.

The Storefront menu appears in the display as shown.

### Applications Shopping and Downloading

Download games, ring tones, and more using Games & Apps.

---

**Note:** For information on airtime charges, contact your Wireless Provider.

---

1. From a Home screen, touch  → **Storefront**.

Your phone takes a moment to connect, then the Storefront menu appears in the display.

2. Follow the instructions in your phone's display.

Please check with your Wireless Provider for availability of applications.

## Section 6: Messages

---

This section explains how to send or receive different types of messages. This section also describes the features and functionality associated with messaging.

### Types of Messages


Your phone is able to send and receive Text and Picture messages to compatible phones and devices. Text messages can be up to 150 characters in length.

---

**Note:** Available memory is shared between all messages, and the maximum number of stored messages depends on message size.


---

### Create and Send Text Messages

1. From the Home screen, touch  → **New Message** → **Text Message**. The **New Text Msg** screen appears in the display.
2. To address the message, touch **Add** or **New#**.
3. Select a number or open the keypad and enter a number.
4. Open the keypad, if closed, touch the **Text** field, and enter the message text.
5. Touch **Send**.

## Create and Send Picture Messages

Picture messages can be sent to recipients with compatible phones or devices. You can even accompany a Picture message with a voice memo or preloaded sound.

1. In Standby mode, touch  → **New Message** → **Picture Message**. The **New PIC Msg** screen appears in the display.
2. To address the message, touch **Add** or **New#**.
3. Select a number or open the keypad and enter a number.
4. Touch the **Picture** field, then find and touch the desired photo from **My Images**. Touch **+** to add the picture to your message.
5. Open the keypad, if closed, touch the **Text** field, and enter the message text.
6. To add a sound file, touch **Sound** and select a sound file from **My Ringtones**.
7. To add a message subject, touch **Subject** and enter the subject text.
8. Touch **Send**.

## Create and Send Video Messages

Video messages can be sent to recipients with compatible phones or devices.

1. In Standby mode, touch  → **New Message** → **Video Message**. The **New Video Msg** screen appears in the display.
2. To address the message, touch **Add** or **New#**.



3. Select a number or open the keypad and enter a number.
4. Touch the **Video** field, then find and touch the desired video clip from **My Videos**. Touch **+** to add the video to your message.
5. Open the keypad, if closed, touch the **Text** field, and enter the message text.
6. To add a message subject, touch **Subject** and enter the subject text.
7. Touch **Send**.

## Receive Messages

When you receive a message in Standby mode, the ringer sounds (unless turned off) and **New Message** appears in the display along with the closed envelope icon (). The date and time of the message also appear in the display along with the following options:

- **View Now** — Opens the message, where you have the option to Forward, Reply w. Copy, Erase, Save Preset msg, Lock/Unlock, Add To Contacts, Extract Addresses, or Message Info.
- **View Later** — Saves the message to your inbox, where you can view it later, then returns your phone to Standby mode.

## Messages and Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code.

Your phone stores messages in one of four message boxes. The subsections that follow describe each message box in detail.

## Message Folders

Your phone stores messages in any one of three message boxes. The subsections that follow describe each message box in detail.

### Messages

Received and sent messages of all types (except Voicemail) are stored in the **Messages** folder. To access the Messages folder:

- ▶ From a Home screen, touch  → **Messages**.

### Drafts

Messages in the Drafts folder are those that have been composed but never sent. You can return to the Draft folder at any time to view, edit, or send a draft message.


- ▶ From a Home screen, touch  → **Drafts**.

### Voicemail

Voicemail messages are logged in the **Voicemail** folder of the **Messaging** menu. Open the Voicemail folder to check for voicemail and listen to Voicemail messages.



- ▶ From a Home screen, touch  → **Voicemail**.

– or –

From a Home screen, open the keypad and press and hold the **Voicemail** key .

## Erase Messages

You can erase all of the messages in any or all of message folders using one convenient sub-menu.

1. From a Home screen, touch  →  → **Erase Messages**.
2. Touch the desired Messaging folder, then touch **Messages**, **Drafts**, or **All Messages**.

## Managing Preset Messages

Preset Messages are previously messages that can be added to a new message to save time entering text. Your phone comes with default Preset Messages, or you can create your own by saving text from a messages.

- ▶ From a Home screen, touch  →  → **Preset msg.**

## Message Settings

Use the **Msg Settings** sub-menu to define settings for your text and picture messages.


- ▶ From a Home screen, touch  →  → **Settings**.

## Section 7: Browser

---

This section outlines how to launch the Browser, how to navigate to other pages on the web, and how the keys on the keypad are used with the web application. Additionally, links to other sites are briefly discussed.


### Browser

With the Browser, you can conveniently surf the web and download ringtones and wallpapers using your phone. Each time you launch the Browser, your phone connects to the Internet and the service indicator icon (  ) appears in the display.

### Stored Web Content

The Browser ends an Internet connection after a certain period of inactivity, however some information from your session remains stored in the phone (if you leave your phone turned on). You can access this information without reconnecting to the Internet. However, if you are viewing stored information, and you select a link to a site that was not accessed in your last session, you automatically re-connect to the Internet.

### Launching the Browser

1. From a Home screen, touch  → **Browser**.  
A list of categories (each representing one or more web sites) appears in the display.
2. Use the Navigation key to browse the categories.

3. Once the desired category is highlighted, press Graphic Pending to enter the category list.

### ***Exit the Browser***

- To exit the Browser, press .

### **Using the Browser**

When you use the Browser, some of the keys operate differently than during a normal phone call. The Browser presents on-screen items in any of the following ways:

- Text or numeric input.
- Links (embedded in content).
- Numbered options (some may not be numbered).
- Simple text.

You can act upon options or links by using the soft keys.

### ***Browser soft keys***

Below the address bar of the Browser display is a bar that contains browser commands. The buttons are used to execute the browser commands Back, Next, Refresh, and Options (Got to Home, Zoom, Add to Favorites, Favorites, History, Full screen, Send URL, Search text, RSS feeds, and Settings).

### **Using Links**

Links have several purposes, such as jumping to a different page, to a different site, or even initiating a phone call. Links are shown inside of brackets ([ ]). You can normally touch a link to select it.


## Section 8: Voice Service

---

Your Messenger Touch includes Nuance Voice Service, state-of-the-art voice recognition software that lets you use your voice to dial numbers, access your Contacts list, and open Tools.

### Voice Commands

To access the Voice Commands menu from Standby mode:

- ▶ From a Home screen, touch  → **Voice Commands**. “Please say a command” plays through the earpiece, followed by a list of available commands in the display.

Follow the spoken prompts to use Voice Service. Use the **Call** command to dial any number stored in your Contacts list by saying the name of the contact (Name Dialing). You can also use **Call** to dial any telephone number, even numbers not stored in your contact list, by speaking the individual digits in the number (Digit Dialing).

---

**Note:** You can also set your phone to start Nuance when you connect an optional headset to the phone. (For more information, see “*Key Setting*” on page 60.)

---

### Voice Command Tips:

- Wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking to someone on the phone.
- When saying a name, say the first name then the last name.

## Voice Settings

Voice Settings allow you to customize the way Nuance interprets your voice commands. To access the Voice Settings menu:

- From a Home screen, touch  → **Voice Commands** → **Settings**. The following options are available:

### **Confirm Choices**

When Nuance cannot recognize a name or number, it displays a choice list of up to three possible choices, and prompts you to confirm the correct one. You can select whether and how Nuance confirms your choices.

### **Sensitivity**

The sensitivity setting allows you to customize the sensitivity of the Nuance matching software.

### **Adapt Voice**

If you regularly have trouble with Nuance not recognizing the numbers you speak, try adapting digit dialing to your voice.

Adapting can improve the accuracy of digit recognition, especially for people with strong regional accents.

---

**Note:** After you use Adapt Voice, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the phone to factory defaults.

---

Adaptation involves recording several sequences of four digits each. The recording process takes about a minute.

### **Tips for Using Adapt Voice**

- Use Adapt Voice in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, and say each digit distinctly.
- If you make a mistake while recording a sequence of words or digits, or if there is an unexpected noise that spoils the recording, re-record that sequence.
- Only use Adapt Voice if you are regularly having problems with Voice Service. Once you use Adapt Voice, Voice Service will not work as well for other people using your phone. (You can always reset Adapt Voice to its original state.)

### **Key Setting**

Key Setting lets you select the key or action that launches Voice Service.

### **About**

Displays version and build information for Nuance voice recognition software.



## Section 9: Camera-Camcorder

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Use your Samsung phone to take full color digital pictures and videos, display them on your phone's vivid color display, and instantly share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera or camcorder. This section explains how you can do the following:


- Take pictures and videos with your phone's built-in digital Camera-Camcorder.
- Send and receive pictures and videos taken with your phone's Camera-Camcorder.
- Set the several options associated with the Camera-Camcorder that help you take crisp, clear pictures and videos.

### Taking Pictures and Videos

Taking pictures and recording videos with the built-in Camera-Camcorder is as simple as choosing a subject, pointing the lens (located on the rear of your phone, at the top), and pressing a button.

#### ***Taking Single Pictures***

To take a single picture using the current camera settings, do the following:

1. In Standby mode, press the Camera key () on the right side of the phone. The camera viewfinder screen appears in the display. (For more information, refer to “Screen Layouts”



on page 66.)



---

**Note:** You can also activate the Camera by touching  → **Multimedia** → **Camera**.

---

2. If the Shooting Mode icon is not , touch **Shooting Mode** → **Single**.
3. Using the display as a viewfinder, point the camera at your subject.
4. When the subject that you wish to capture appears in the display, press the Camera key (.
5. Do one of the following:
  - To discard the new photo, touch **Back**.
  - Touch **Upload** to transfer a copy of this photo to a Preferred List of sites.
  - Touch **Send via** to send a copy of the photo in a Picture message to your addressee(s) or over a Bluetooth connection.
  - Touch **Set As** to assign the photo as a Home screen wallpaper or as a Contact ID image.

- Touch **Erase** to erase the photo.
- Touch **Save** to save the photo to the Pictures folder.

6. To exit the Camera feature, press .


---

**Tip:** You can change a number of the Camera's settings to suit particular uses for your pictures. For more information, refer to "*Camera Screen*" on page 66.

---

## ***Taking Multiple-Shot Pictures***

When taking pictures of moving subjects or subjects you cannot pose, such as children and pets, the camera's Continuous mode simplifies the process of taking multiple pictures in quick succession. You can also After taking multiple-shot pictures, the camera automatically displays thumbnail or mosaic views of the pictures you have just taken so you can select the best picture(s) and discard the rest.

1. In Standby mode, press the Camera key () on the right side of the phone. The camera view finder screen appears in the display. (For more information, refer to "*Screen Layouts*" on page 66.)

---

**Note:** You can also activate the Camera by touching  → **Multimedia** → **Camera**.

---



2. Touch **Shooting Mode** → **Continuous / Mosaic**.

When you select **Continuous**, the following options appear in the display:

- 5

• 8

When you select **Mosaic**, three pages of six mosaic options each are available.

3. Select the desired number of shots.
4. Using the display as a viewfinder, point the camera lens at your subject and press the Camera key (). The camera takes multiple pictures in quick succession (**Continuous**) or one each time you press the Camera key ( (**Mosaic**), then the multiple-photo screen appears in the display.
  - To discard the pictures, touch **Back**.
  - To save the pictures to memory, touch **Save**.

In **Mosaic** shooting mode, you also have the following options:

- Touch **Upload** to transfer a copy of this photo to a Preferred List of sites.
- Touch **Send via** to send a copy of the photo in a Picture message to your addressee(s) or to your online Album or over a Bluetooth connection.
- Touch **Set As** to assign the photo as a Home screen wallpaper or as a Contact ID image.
- Touch **Erase** to erase the photo.


---

**Tip:** You can change a number of the Camera's settings to suit particular uses for your pictures. For more information, refer to "*Camera Screen*" on page 66.

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## Taking Videos

To take a video using the current camcorder settings, do the following:

1. In Camera mode, press the Camera key () on the right side of the phone.
2. Press **Mode**. The camcorder view finder screen appears in the display.



---

**Note:** You can also activate the Camcorder by touching  → **Multimedia** → **Camcorder**.

---

3. Press **Recording Mode**, then press **Limit for Send** (to record a video of set length for inclusion in a Video message) or press **For Save** (to record a video of whatever length you prefer).
4. Using the display as a viewfinder, point the camera lens at your subject, then press the Camera key (). Recording continues until 15 seconds of video has been recorded (Limit for Send recording mode) or until you press the Camera key () a second time (either recording mode), whichever comes first.
  - To discard the new video clip, touch **Back**.
  - To send the video clip in a video message, touch **Send via**.
  - To post the video clip to social network web sites, touch **Upload**.

- To discard the video clip, touch **Erase**.
- To save the video clip in the Videos folder, touch **Save**.

---

**Tip:** You can change a number of the Camcorder's settings to suit particular uses for your pictures. For more information, refer to “*Camcorder Screen*” on page 68.

---

## Screen Layouts

### Camera Screen

When you activate your phone's camera, the first line of the display is reserved for the current camera settings and picture counter. The rest of the display shows a viewfinder image of the subject at which the camera is pointed, flanked by option buttons.



### Camera Screen Buttons



Returns you to the Home screen.



Changes the Camera-Camcorder mode to Camcorder.



Lets you set the Camera's **Shooting Mode** to **Single**, **Continuous**, **Mosaic**, or **Frame**.



Lets you select **White Balance**, **Effects**, **Metering**, **Quality**, **Nightshot**, and more.



Lets you set the Camera's Timer to automatically take one or more photos immediately (**OFF**) or after **3 sec**, **5 sec**, or **10 sec**.



Lets you set the Camera's **Resolution** to **1600x1200** / **1280x960** / **640x480** / **320x240**.



Lets you set the Camera to brighten or darken your photos.




Lets you access the Pictures folder.

## Zoom

Zoom lets you temporarily enlarge the pictures you take. Increasing the Zoom (2 – 10) enlarges your pictures or videos (1 is normal).

1. In Camera mode, press the Volume key (on the left side of the phone) up or down. The horizontal Zoom scale appears in the display.
2. To Zoom in on a subject, press the Volume key down.

3. To Zoom out from a subject, press the Volume key up.

The next time you press the Camera key () , the camera takes an enlarged picture according to your selected Zoom setting.

---

**Note:** The **Size** setting affects zoom capabilities. When **Size** is set to **1600 x 1200**, zoom is not available. When **Size** is set to any value lower than **1600 x 1200**, zoom settings 1 – 10 are available.

---

## Camcorder Screen

When you activate your phone's camcorder, the first line of the display shows current camcorder setting icons. The rest of the display shows a viewfinder image of the subject at which the camcorder is pointed, flanked by option buttons.



## Camcorder Screen Buttons



Returns you to the Home screen.



Changes the Camera-Camcorder mode to Camera.





Lets you set the Camcorder's **Recording Mode** to **Limit For Send** or **For Save**.



Lets you select values for **White Balance**, **Effects**, and **Quality**.



Lets you set the Camera's Timer to automatically take one or more photos immediately (**OFF**) or after **3 sec**, **5 sec**, or **10 sec**.



Indicates the Camcorder's current resolution setting.



Lets you set the Camcorder to brighten or darken your videos.



Lets you access the My Videos folder.

## Saving Pictures and Videos

After you've taken a picture or video, you can do any of the following:

- **Save the picture or video** by touching **Save**.

A picture is stored in the **My Images** folder. A video is stored in the **My Videos** folder. These folders are part of the phone's memory and/or part of an optional Memory Card devoted to storing, browsing, and viewing saved

pictures and videos. (For more information, refer to “*My Images*” on page 72 or “*My Videos*” on page 72.)




- **Send the picture or video** to someone else by touching **Send via**.

For a detailed procedure, see “*Point, Click, and Send Pictures and Videos*” on page 70.

- **Discard the picture or video** by touching **Erase**.

## **Point, Click, and Send Pictures and Videos**

Take a picture or record a video and send it to anyone with a compatible device in a few easy steps.

1. In Camera mode, press the Camera key () on the right side of the phone. The camera view finder screen appears in the display.
2. If desired, press **Mode**. The camcorder view finder screen appears in the display.
3. Using the display as a viewfinder, take the desired picture or record the desired video by pressing the Camera key () , and then pressing the Camera key () a second time to stop video recording.

The photo/video review screen appears in the display.

4. Touch **Send via** → **Picture Message** / **Video Message**.

The **Picture Msg** or **Video Msg** screen appears in the display.

5. Address and compose your Picture/Video message. (For more information, refer to “*Create and Send Picture Messages*” on page 52 or “*Create and Send Video Messages*” on page 52.)

6. When you are finished composing your message, touch **Send** to send the Picture or Video message to the intended recipient(s).

## Section 10: Multimedia

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This section describes the Multimedia features of your phone: the My Images, My Ringtones, and Ringback Tones galleries.

- ▶ From a Home screen, touch  → **Multimedia**. The following sub-menus are available:

### Camera

**Camera** lets you launch and set up your phone's camera. (For more information, refer to “*Camera-Camcorder*” on page 61.)

### Camcorder

**Camcorder** lets you launch and set up your phone's camcorder. (For more information, refer to “*Camera-Camcorder*” on page 61.)

### My Images

**My Images** lets you manage your photos and pictures you download, and lets you choose the pictures that appear in your phone's display when you turn it on or off, while in Standby mode (wallpaper), and as Picture IDs for your contacts.

### My Videos

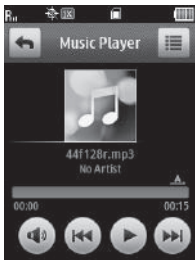
**My Videos** lets you manage your video clips (recorded and downloaded), and lets you choose the videos that appear in your video messages and which videos you wish to play.

## Music Player

**Music Player** lets you play music (MP3 and unprotected AAC, AAC+, WMA) files.

### Music Player Controls






- **Volume key:**
  - To play a music file louder, press the Volume key Up.
  - To play a music file softer, press the Volume key Down.



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**Tip:** You can also adjust music playback volume by touching .

---

- **Playback buttons:**
  - To skip play to an earlier music file in the selected list, touch .
  - To play/resume playing a music file, touch .
  - To pause playing a music file, touch .
  - To skip play to a later music file in the selected list, touch .
- **Options button** (  ) — Shows the following sub-menus and options:
  - **Go to Library** — Lets you access the Now Playing List, All Songs, Playlists, Artists, and Albums song lists.
  - **Play Mode** — Lets you change the play mode from Normal, Shuffle, Repeat One, Repeat All, or Shuffle Repeat All.
  - **Add to Playlist** — Moves you to the **Playlists** menu to let you add the selected music file to a playlist.

- **Song Info** — Lists the Title, Artist, Album, File Name, File Size, Duration, Bit Rate, source from which file was Downloaded, Copyright date, and source of Expired Songs of the music file.
- **Memory Info** — Displays the **Memory Usage** screen which lists Memory Card usage and availability amounts.

Select the desired option.

## **My Ringtones**

**My Ringtones** lets you send ringtones to addressees as part of a Picture message or to your Onlie Album on your Wireless Carriers server, assign ringtones as call ringers, Contact ID ringer, or as Alert tones. **My Ringtones** also lets you record and manage voice memo files.

### ***Recording Sounds***

1. In the **My Ringtones** sub-menu, select **Record New**.
2. To begin a new 60-second sound recording, press **Rec**.
  - To interrupt a recording, press **Pause**. To continue the recording, press **Resume**.
3. To stop a recording and save it, press **Stop**.

## **Ringback Tones**

**Ringback Tones** lets you find, download, and manage ringback tones.

## **Communities**

**Communities** lets you upload multimedia files to Social Networking web sites.

## Section 11: Tools

---

This section explains how you can use your phone's tools functions to view today's calendar, schedule appointments, set an alarm, perform simple math calculations, and more.

All tools are available on the Main Menu screen.

- From a Home screen, touch , then select the desired tool.

### Calendar

Calendar allows you to view the current, past, or future month in calendar format, and schedule events. While viewing the calendar, the current date is highlighted, and days with scheduled events are surrounded by a box.

### Alarm

Alarm lets you set as many as ten alarms to sound once, or to recur daily at specific times. Once set, an alarm is easy to change or turn off completely.

---

**Note:** The alarm doesn't function when the phone is turned off. If the time for an alarm that was set for Daily has elapsed while the phone is off, the alarm sounds at the specified time on the next day.

---

### Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection.

## **Turn Bluetooth On / Off**

- From a Home screen, touch  → **Bluetooth** → **Turn Off** or **Turn On**.

## **Add New Device**

1. From a Home screen, touch  → **Bluetooth** → **Add New Device**.

---

**Note:** If prompted with “Turn bluetooth power on?”, press **Yes**.

---

2. Place the new Bluetooth device in discovery mode. (See the device user manual for more information.)
3. On your phone, touch **OK**. Your phone will search for discoverable devices and display them.
4. Touch the device you want to pair with your phone, the phone will attempt to automatically pair with the selected device.  
If automatic pairing fails, you are prompted to enter the passkey or PIN for the selected device. (For other wireless handsets, choose a passkey or PIN and enter the same one on both devices. For more information on headsets and handsfree units, refer to the user manual for the other device.)
5. Except for other wireless handsets, you are prompted to confirm whether you want to connect your phone with the other device. To connect with the other device, touch **Yes**.



## **Registered List**

The Registered List contains paired Bluetooth devices, and allows you to connect/disconnect from a device or modify settings for paired devices.

- ▶ From a Home screen, touch  → **Bluetooth**.

## **Bluetooth Settings**

Bluetooth Settings allow you to set your phone's Bluetooth availability, and view and set information about your phone's Bluetooth capabilities.

- ▶ From a Home screen, touch  → **Bluetooth** → .

## **Timer**

Timer provides a count down timer settable for a count lasting from 1 second to 24 hours.

## **Stop Watch**

Stop Watch provides a timer that you can use to record event times and/or to record lap times.

## **World Clock**

World Clock lets you view the time of day or night in any four of the 24 different time zones around the world you choose. You select your time zones by city and/or country name.

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**Note:** World Clock requires your Wireless Provider's digital service.

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## **Calculator**

You can perform calculations, including addition, subtraction, multiplication and division using your phone.

## **Tip Calculator**

Tip Calculator allows you to calculate a percentage amount for a tip, and the total due for multiple payers.

## **Memo Pad**

Create notes and store them in Memo Pad. Return to Memo Pad anytime to review and edit your notes.

## **Converter**

The Converter converts values for temperature, length, weight, area, volume, or currency. In the currency converter, you can edit or add currency exchange rates.

## **Device Search**

Device Search lets you search for items on your phone by name and/or by category ( that is, Contacts, Recent Calls, Calendar, Message, Image, Video, Menu).

## Section 12: Settings

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This section explains how to configure your phone's language, network preferences, security options, and other settings.

### Location

Use the **Location** setting to specify whether your phone passes your Global Positioning System (GPS) location to the network continually, or only when you make an emergency (911) call.

---


**Note:** Check with your Wireless Carrier to determine if/when/where location-based services are available.

---

- From a Home screen, touch  → **Settings** → **Location**, then choose **Location On** or **E911 Only**.

### Sound Settings


**Sound Settings** let you customize your phone's audio properties, such as ring tones, keypad tones, alerts, start up melody, and more.

- From a Home screen, touch  → **Settings** → **Sound Settings**. The following options and sub-menus are available:
  - **Master Volume** — Set the default volume for all sounds produced by your phone.
  - **Call Sounds** — Set the default Call Ringtone and enable/disable Call Vibrate and Caller ID Readout,
  - **Alert Sounds** — Set tones for Text Messages, Multimedia Messages, Voicemail, Missed Calls, and Device Connect notifications.

- **Keypad Volume** — Adjust the volume for tones generated when you press keys.
- **Service Alerts** — Enable/disable Roaming, Minute Beep, and Call Connect notifications.
- **Power On/Off** — Enable/disable playback of your phone's Power On and Power Off melodies.

## Display Settings

**Display Settings** let you change your phone's menu appearance, display brightness and contrast, and display content to better meet your needs.

- From a Home screen, touch  → **Settings** → **Display Settings**. The following options and sub-menus are available:
  - **Backlight** — Set options for the Display, Charging, and Keypad backlight times and for backlight Brightness.
  - **Wallpaper** — Choose an image from the My Images folder to appear as background in the display while in Standby mode.
  - **Fonts** — Select the size of the font used to display digits you dial and the color of the text displayed in the Lock Screen.
  - **Unlock Screen** — Choose the key(s) to be used to awaken the Lock screen.
  - **Transition Effect** — Choose whether succeeding screens will slide over one another (On) or simply overlay one another at once (Off).

## Touch Settings

**Touch Settings** let you customize how your phone responds to your touch on the display.

- From a Home screen, touch  → **Settings** → **Touch Settings**.

The following options and sub-menus are available:

- **Auto Lock** — Choose whether the phone will lock the screen automatically when the backlight goes out (On) or only when you press the Lock key (Off).
- **Vibrate** — Choose whether the phone will vibrate when you touch a button or option shown on the display.
- **Sound** — Select the sound the phone will play when you touch a button or option shown on the display.
- **Volume Level** — Set the loudness of the sound the phone will play when you touch a button or option shown on the display.
- **Calibration** — Set the accuracy of the phone's detection of your touch, or restore the calibration settings to factory values.

## Phone Settings

**Phone Settings** let you customize the phone's operation.

- From a Home screen, touch  → **Settings** → **Phone Settings**.

The following options and sub-menus are available:

- **Airplane Mode** — Puts the phone in Airplane Mode, which disables all radio functions of your phone, but allows you to use other features safely in sensitive environments, such as on board an aircraft.
- **Language** — Select from English or Español for use by the phone.
- **QWERTY Action** — Choose whether the phone reacts to you pressing a key on the QWERTY keypad in Standby mode by launching Text Message, Contacts, or Memo Pad functions.
- **Word Completion** — Lets you enable or disable predictive text entry assistance.

- **Security** — Change your phone's lock code, lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, and other security options. These settings require the phone's lock code.
- **System Select** — Choose to automatically or manually select the network used when roaming outside of your home area.
- **PC Connection** — Choose how your phone will connect with your PC for data transfers (USB Mass Storage, No Connection).

## Call Settings

**Call Settings** let you set options for calls, such as Auto Retry, Data rates for data calls, and more.


- From a Home screen, touch  → **Settings** → **Call Settings**.

The following options and sub-menus are available:

- **Answer Options** — Choose how to answer incoming calls; by opening the QWERTY keyboard, pressing Any Key, or Automatically with a Handsfree accessory (wired or Bluetooth).
- **Auto Retry** — Select whether the phone will automatically retry calls with no answer.
- **TTY Mode** — Select TTY Full, TTY+Talk (VCO), TTY+Hear (HCO), or TTY Off.
- **One Touch Dial** — Enable/disable Speed Dialing.
- **DTMF Tones** — Set your phone to send either Normal length DTMF tones (keypad dialing tones) or Longer length tones (sometimes required by automatic systems).


## Memory Manager

**Memory Manager** lets you choose where your photos, videos, and recorded sounds will be stored (Phone or Card memory), shows the amount of memory that is available and used, and details the distribution of the used memory.

- ▶ From a Home screen, touch  → **Settings** → **Memory Manager**. The following options and sub-menus are available:
  - **Save Options** — Choose whether Images, Videos, and/or Sounds will be stored in Phone or Card memory.
  - **Phone Memory** — View current, detailed Memory Usage figures, view content lists for your in phone multimedia folders (excluding music), select files to retain and files to delete to free up phone memory.
  - **Card Memory** — View current, detailed Memory Usage figures, view content lists for your in phone multimedia folders (including music), select files to retain and files to delete to free up phone memory, and format Memory Cards (microSD and microSDHC) that (primarily) have been used in other devices.

## Phone Info

**Phone Info** contains information about your phone.

- ▶ From a Home screen, touch  → **Settings** → **Phone Info**. The following options are available:
  - **My Number** — Display your phone number.
  - **SW/HW Version** — Display the phone's hardware and software versions.
  - **Icon Glossary** — Display a list of all icons used on your phone's displays.

- **Warranty Date Code** — Display the warranty date and time code.
- **Refurbish** — Display the date and time the phone was last refurbished and the number of times the phone has been refurbished.
- **Open Source License** — View the licensing agreement for Open Source software included in your phone.



## **Section 13: Health and Safety Information**

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This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

### **Health and Safety Information**

#### ***Exposure to Radio Frequency (RF) Signals***

#### **Certification Information (SAR)**

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government.

These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram

(W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- **Head:** 0.96 W/Kg.
- **Body-worn:** 1.08 W/Kg.

SAR information on this and other model phones can be viewed online at <http://www.fcc.gov/oet/ea>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at [www.fcc.gov/cgb/sar](http://www.fcc.gov/cgb/sar).

## **Please Note the Following Information When Using Your Handset**

### **1. WARNING REGARDING DISPLAY**

The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

## **2. WARRANTY DISCLAIMER: PROPER USE OF A TOUCH SCREEN HANDSET**

If your handset has a touchscreen display, please note that a touchscreen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touchscreen may damage the tempered glass surface and void the warranty. For more information, please refer to the “*Standard Limited Warranty*” on page 121.

## **Samsung Mobile Products and Recycling**

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: <http://mobile.samsungusa.com/recycling/index.jsp> or 1-800-822-8837 for more information.

## **UL Certified Travel Adapter**

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

## **Consumer Information on Wireless Phones**

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

### ***What kinds of phones are the subject of this update?***

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power

levels, and thus produce RF exposures well within the FCC's compliance limits.

### ***Do wireless phones pose a health hazard?***

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

### ***What is FDA's role concerning the safety of wireless phones?***

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user.

In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

### ***What are the results of the research done already?***

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not



similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

***What research is needed to decide whether RF exposure from wireless phones poses a health risk?***

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

### ***What is FDA doing to find out more about the possible health effects of wireless phone RF?***

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

***What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?***

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

## ***What about children using wireless phones?***

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

## ***Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?***

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body

during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

***Do wireless phone accessories that claim to shield the head from RF radiation work?***

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

## ***What about wireless phone interference with medical equipment?***

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 1/1/2010):

- FCC RF Safety Program:  
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):  
<http://www.epa.gov/radiation/>
- Occupational Safety and Health Administration's (OSHA):  
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>
- National Institute for Occupational Safety and Health (NIOSH):  
<http://www.cdc.gov/niosh/>
- World Health Organization (WHO):  
<http://www.who.int/peh-emf/>
- International Commission on Non-Ionizing Radiation Protection:  
<http://www.icnirp.de>
- Health Protection Agency:  
<http://www.hpa.org.uk/radiation>
- US Food and Drug Administration:  
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>

## Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.



- 5.** Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
- 6.** Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- 7.** Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
- 8.** Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.
- 9.** Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
- 10.** Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a

minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

**"The wireless industry reminds you to use your phone safely when driving."**

For more information, please call 1-888-901-SAFE, or visit our web-site [www.ctia.org](http://www.ctia.org).

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**Important!:** If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

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Provided by the Cellular Telecommunications & Internet Association.

## **Responsible Listening**

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**Caution!:** Avoid potential hearing loss.

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Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some

studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.

- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

**American Academy of Audiology**

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: [info@audiology.org](mailto:info@audiology.org)

Internet: <http://www.audiology.org>

**National Institute on Deafness and Other Communication Disorders**

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: [nidcdinfo@nih.gov](mailto:nidcdinfo@nih.gov)

Internet: <http://www.nidcd.nih.gov/>

## **National Institute for Occupational Safety and Health (NIOSH)**

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov)

Internet: <http://www.cdc.gov>

1-888-232-6348 TTY

Internet: <http://www.cdc.gov/niosh/topics/noise/default.html>

## **Operating Environment**

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety

of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

## **Using Your Phone Near Other Electronic Devices**

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

### ***Implantable Medical Devices***

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place;

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

<http://www.fcc.gov/oet/rfsafety/rf-faqs.html>

## **FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices**

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

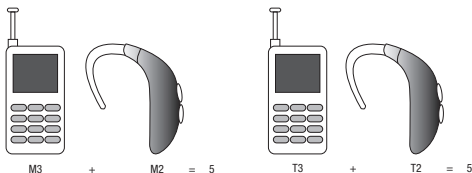
The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

**M-Ratings:** Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

**T-Ratings:** Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.





In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

### ***Other Medical Devices***

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

## ***Vehicles***

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

## ***Posted Facilities***

Switch your phone off in any facility where posted notices require you to do so.

## **Potentially Explosive Environments**

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.


Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

## Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press the  key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

## ***Restricting Children's access to your Phone***

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

## **FCC Notice and Cautions**

### ***FCC Notice***

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association:

### **NFPA (National Fire Protection Agency)**

1 Batterymarch Park

Quincy, Massachusetts

USA 02169-7471

Internet: <http://www.nfpa.org>

### ***Cautions***

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and

void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

## **Other Important Safety Information**

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

## **Product Performance**

### ***Getting the Most Out of Your Signal Reception***

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

### ***Understanding the Power Save Feature***

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key. Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

### ***Understanding How Your Phone Operates***

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

## ***Maintaining Your Phone's Peak Performance***

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. For more information, refer to *“Turn Bluetooth On / Off”* on page 76.
- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

## **Availability of Various Features/Ring Tones**

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

## **Battery Standby and Talk Time**

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

## **Battery Precautions**

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not modify or remanufacture the battery as this could result in serious safety hazards.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.



- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully

charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

## Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.

- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

## Section 14: Warranty Information

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### Standard Limited Warranty

#### What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

**What is Not Covered?** This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting

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## ***Precautions for Transfer and Disposal***

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

---

**Important!** Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

---

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

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**Important!** If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

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